What is claimed is:

Ţ	1.	In a communication system having a first predefined maximum system
2	transn	nission power level for in-band transmissions, a method in a first communication
3	device	e comprising:
4		determining that communication performance between a first communication
5		device and a second communication device exceeds a performance threshold;
6		based on the determination, assigning a first band-edge channel for
7		communication between the first communication device and the second
8		communication device; and
9		the first communication device transmitting a first signal for reception by the
0		second device via the first band-edge channel, the first signal transmitted at a
1		reduced power level that is below the first predefined maximum system
2		transmission power level.
1	2.	The method of claim 1, further comprising:
2		the first communication device receiving a second signal transmitted by the
3		second communication device, the second signal transmitted at or below the
4		reduced power level.
1	3.	The method of claim 2, further comprising:
2		the first communication device receiving the second signal via the first band-edge
3		channel.

1	4.	The method of claim 2, further comprising:
2		the first communication device receiving the second signal via a second band-
3		edge channel.
1	5.	The method of claim 2, further comprising:
2		the first communication device transmitting an indication to the second
3		communication device indicating a maximum transmission power level to be
4		used by the second device.
1	6.	The method of claim 1, further comprising:
2		providing a power control mechanism for assigning a temporary assigned power
3		level for transmitting the first signal, the temporary assigned power level
4		being less than the reduced power level.
1	7.	The method of claim 6 further comprising:
2		determining a minimum level of communication performance for transmitting the
3		first signal; and
4		selecting, based on determining the minimum level of performance, the temporary
5		assigned power level.
6		
1	8.	The method of claim 2, further comprising:

2	providing a power control mechanism for assigning a temporary assigned power	er	
3	level for transmitting the second signal, the temporary assigned power leve	1	
4	being less than the reduced power level.		
1	9. The method of claim 8 further comprising:		
2	determining a minimum level of communication performance for transmitting	the	
3	second signal; and		
4	selecting, based on determining the minimum level of performance, the tempor	ary	
5	assigned power level.		
1	10. The method of claim 1, wherein communication performance is determined based on the second of th	sed	
2	on a metric selected from the group consisting of signal-to-noise ration (SNR), signal-		
3	interference-noise ration (SINR), received signal strength indication (RSSI), bit error r	ate	
4	(BER), and frame error rate (FER).		
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1	11. The method of claim 7, wherein communication performance is determined based	sed	
2	on a metric selected from the group consisting of signal-to-noise ration (SNR), signal-	to-	
3	interference-noise ration (SINR), received signal strength indication (RSSI), bit error rate		
4	(BER), and frame error rate (FER).		
1	12. The method of claim 1, further comprising:		
2	after transmitting the first signal, determining that interference affecting		
3	communication between the first and second communication devices is about	ve	
4	a threshold; and		

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5		increasing the amount of power used to transmit from the first communication
6		device.
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1	13.	The method of claim 2, further comprising:
2		after receiving the second signal, determining that interference affecting
3		communication between the first and second communication devices is above
4		a threshold; and
5		increasing the amount of power used to transmit from the second communication
6		device.
1	14.	The method of claim 1 further comprising:
2		providing the first predefined maximum system transmission power level for in-
3		band transmissions from the first communication device to the second
4		communication device;
5		providing a second predefined maximum system transmission power level for in-
6		band transmissions from the second communication device to the first
7		communication device; and
8		causing the second communication device to transmit below the second
9		predefined maximum system transmission power level.
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1	15.	The method of claim 14, wherein the first communication device comprises a
2	base s	station and the second communication device comprises a terminal.

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1	16.	The method of claim 14, wherein the first and second predefined maximum
2	transn	nission power levels are equal.
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1	17.	The method of claim 14, wherein the first and second predefined maximum
2	transn	nission power levels are unequal.
1	18.	In a communication system, a method comprising the acts of:
2		providing a first set of one or more channels for in-band transmissions;
3		providing a second set of one of or more channels for in-band transmissions, the
4		second set of channels in closer proximity to a band edge than the first set of
5		channels; and
6		transmitting within the second set of channels at a first power level that is less
7		than a second power level used for transmitting within the first set of
8		channels.
1	19.	The method of claim 18, further comprising the act of:
2		determining that communication performance of a first device is above that of a
3		second device; and
4		based on the determination, assigning the first device to the first set of channels;
5		and
6		assigning the second communication device to the second set of channels.

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